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| INFO                              | DRMATION I | DISC | LOSURE | Application Number     |                       |  |
|                                   | TEMENT BY  |      |        | Filing Date            | February 7, 2001      |  |
| SIA                               |            |      |        | First Named Inventor   | Mark J. STEFIK et al. |  |
| (use as many sheets as necessary) |            |      |        | Group Art Unit         | 3694                  |  |
|                                   |            |      |        | Examiner Name          | F FOINVIL             |  |
| Sheet                             | 1          | of   | 4      | Attorney Docket Number | 111325-49             |  |

|                      | 1                        |                |                        | U.S. PATENT DOCUMEN                                |  | T   |
|----------------------|--------------------------|----------------|------------------------|--|--|---|
| Examiner<br>Initials | Cite<br>No. <sup>1</sup> | U.S. Patent Do | Kind Code <sup>2</sup> | Name of Patentee or Applicant of Cited<br>Document | Date of Publication of Cited<br>Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevan<br>Passages or Relevant Figures Appear |
|                      |                          |                | (if known)             |  |  |   |
| FP                   | <u> </u>                 | 4,529,870      |                        | Chaum  | 07-16-1985   |   |
|                      |                          | 4,658,093      |                        | Hellman  | 04-14-1987   |   |
|                      |                          | 4,924,378      |                        | Hershey et al.                                     | 05-08-1990   |   |
|                      |                          | 4,932,054      |                        | Chou et al.  | 06-05-1990   |   |
|                      |                          | 4,937,863      |                        | Robert et al.                                      | 06-26-1990   |   |
|                      | ļ                        | 4,953,209      |                        | Ryder, Sr. et al.                                  | 08-28-1990   |   |
|                      | <u>.</u>                 | 4,961,142      |                        | Elliott et al.                                     | 10-02-1990   |   |
|                      |                          | 4,977,594      |                        | Shear  | 12-11-1990   |   |
|                      |                          | 5,010,571      |                        | Katznelson   | 04-23-1991   |   |
|                      |                          | 5,014,234      |                        | Edwards, Jr.                                       | 05-07-1991   |   |
|                      |                          | 5,023,907      |                        | Johnson et al.                                     | 06-11-1991   |   |
|                      |                          | 5,047,928      |                        | Wiedemer   | 09-10-1991   |   |
|                      |                          | 5,050,213      |                        | Shear  | 09-17-1991   |   |
|                      |                          | 5,058,164      |                        | Elmer et al.                                       | 10-15-1991   |   |
|                      |                          | 5,103,476      |                        | Waite et al.                                       | 04-07-1992   |   |
|                      |                          | 5,113,519      |                        | Johnson et al.                                     | 05-12-1992   |   |
|                      |                          | 5,138,712      |                        | Corbin   | 08-11-1992   |   |
|                      |                          | 5,146,499      |                        | Geffrotin  | 09-08-1992   |   |
| 1                    |                          | 5,159,182      |                        | Eisele   | 10-27-1992   |   |
|                      |                          | 5,191,193      |                        | Le Roux  | 03-02-1993   |   |
|                      |                          | 5,204,897      |                        | Wyman  | 04-20-1993   |   |
|                      |                          | 5,247,575      |                        | Sprague et al.                                     | 09-21-1993   |   |
| 1/                   |                          | 5,291,596      |                        | Mita   | 03-01-1994   |   |
|                      |                          | 5,339,091      |                        | Yamazaki et al.                                    | 08-16-1994   |   |
| P                    |                          | 5,455,953      |                        | Russell  | 10-03-1995   |   |
|                      |                          |                |                        |  |  |   |

|                      | т -                      | т   |                              | FOREIGN PATENT DOC       | UMENTS   | <del>,</del>  |                |  |  |
|----------------------|--------------------------|---|------------------------------|--------------------------|--|---|----------------|--|--|
| Examiner<br>Initials | Cite<br>No. <sup>1</sup> | Foreign Patent Document  Kind Code <sup>3</sup>   |                              | - ,                      | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear | T <sup>4</sup> |  |  |
|                      |                          | Office  | Number <sup>4</sup> (if know | <sup>7n)</sup>           |  |   |                |  |  |
| M                    |                          | 0   | 332 707 A1                   | EP                       | 09-20-1989                                       |   |                |  |  |
| PP                   |                          | l V   | /O/92 20022                  | PCT                      | 11-12-1992                                       |   |                |  |  |
| P                    |                          | 9:  | 3/01550                      | PCT                      | 21-01-1993                                       |   |                |  |  |
|                      |                          |   |                              |                          |  |   |                |  |  |
|                      |                          |   |                              |                          |  |   |                |  |  |
|                      |                          |   | OTHER PRIC                   | OR ART - NON PATENT LITE | RATURE DOCUMENTS                                 |   |                |  |  |
| Examiner<br>Initials | Cite<br>No.1             | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), |                              |                          |  |   |                |  |  |
|                      |                          | publisher, city and/or country where published.   |                              |                          |  |   |                |  |  |
| N                    |                          | Weber, R., "Metering Technologies For Digital Intellectual Property," A Report to the International Federation of Reproduction Rights Organizations, October 1994, pp. 1-29.                                    |                              |                          |  |   |                |  |  |



|                      |                          |  |           |   | <u>.                                    </u>          |             |  |  |
|----------------------|--------------------------|--|-----------|---|---|-------------|--|--|
| Substitut            | e for form               | 1449A/PTO  |           | Complete if Known                                 |   |             |  |  |
| INEO                 | DA#                      | TION DISCUA  | הינתונס   | Application Number                                |   | ·           |  |  |
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| STA                  | LEMI                     | ENT BY APPLIC  | CANT      | First Named Inventor                              | Mark J. STE   |             |  |  |
|                      | (use a                   | many sheets as necessary)  |           |   | 3692  | A IK Ct al. |  |  |
|                      |                          |  |           | Group Art Unit                                    |   | 1.1.1       |  |  |
| Chan                 |                          |  |           | Examiner Name                                     |   | NVIL        |  |  |
| Sheet                | 2                        | of . 4   |           | Attorney Docket Number                            | 111325-49   |             |  |  |
|                      |                          | ОТНЕ   | R PRIOR A | RT – NON PATENT LITERATU                          | RE DOCUMENTS  | ,           |  |  |
| Examiner<br>Initials | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published. |           |   |   |             |  |  |
| FP                   |                          | Clark, P.C. and Hoffman, L.J., "Bits: A Smartcard Protected Operating System,"  Communications of the ACM, November 1994, Vol. 37, No. 11, pp. 66-70, and 94.  |           |   |   |             |  |  |
| PP                   |                          | Ross, P.E., "Data g  | 01.       |   |   |             |  |  |
| M                    |                          | Saigh, W.K., "Knowledge is Sacred," Video Pocket/Page Reader Systems, Ltd., 1992.  |           |   |   |             |  |  |
| M                    |                          | Kahn, R.E., "Deposit, Registration And Recordation In An Electronic Copyright Management System," Corporation for National Research Initiatives, Virginia, August 1992, pp. 1-19.  |           |   |   |             |  |  |
| FP.                  |                          | Hilts, P., Mutter, J., and Taylor, S., "BOOKS While U Wait," <i>Publishers Weekly</i> , January 3, 1994, pp. 48-50.  |           |   |   |             |  |  |
| M                    |                          |  | Systems   | Corp.,' Computer Shoppe                           | onize software pricing and r. Copyright, April 1994,  |             |  |  |
| P                    |                          | and metering system  | m for CD  |   | publishers; iOpener data<br>-ROM Professional, Cop.   |             |  |  |
| W)                   |                          |  |           | Is your system watching byright, May 2, 1994, pg. | you?"; Wave Systems bet<br>84.                        | a tests new |  |  |
| PP                   |                          | Linn, R.J., "Copyright and Information Services in the Context of the National Research and Education Network <sup>1</sup> ," <i>IMA Intellectual Property Project Proceedings</i> , January 1994, Vol. 1, Issue 1, pp. 9-20.                                    |           |   |   |             |  |  |
| V                    |                          | Perritt, Jr., H.H., "Permissions Headers and Contract Law," IMA Intellectual Property Project Proceedings, January 1994, Vol. 1, Issue 1, pp. 27-48.   |           |   |   |             |  |  |
| T)                   |                          | Upthegrove, L., and Roberts, R., "Intellectual Property Header Descriptors: A Dynamic Approach," IMA Intellectual Property Project Proceedings, January 1994, Vol. 1, Issue 1, pp. 63-66.  |           |   |   |             |  |  |
| P                    |                          |  |           |   | otype Implementation,"<br>94, Vol.1, Issue 1, pp. 67- |             |  |  |

| Substitu   | ute for form       | 1449 A /PTO   |  |                |   | Complete if Known   |     |  |  |
|--|--------------------|---|--|----------------|---|---|-----|--|--|
| Substitute for form 1449A/PTO                    |                    |   |  |                |   |   |     |  |  |
| INFORMATION DISCLOSURE                           |                    |   |  |                | Application Number                                      | F-17 2001   |     |  |  |
| STA'   | TEME               | INT BY  | ' APP  | PLICANT        | Filing Date   | February 7, 2001  |     |  |  |
|  | (use as            | many sheets   | as necess  | ary)           | First Named Inventor                                    | Mark J. STEFIK et al.                                       | al. |  |  |
| ŀ  |                    | •   |  | •              | Group Art Unit  | 3692  |     |  |  |
| <del>                                     </del> | т—                 |   | Τ_   | <del></del>    | Examiner Name   | F PoiNvil   |     |  |  |
| 3  | Attorney<br>Number | y Docket  | of   | 4              | Attorney Docket Number                                  | 111325-49   |     |  |  |
|  |                    |   |  | OTHER PRIOR A  | RT – NON PATENT LITERATUI                               | RE DOCUMENTS  |     |  |  |
| Examiner<br>Initials*                            | Cite<br>No.1       |   | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published. |                |   |   | T²  |  |  |
| FP   |                    | Simmel, S.S., and Godard, I., "Metering and Licensing of Resources: Kala's General Purpose Approach," <i>IMA Intellectual Property Project Proceedings</i> , January 1994, Vol. 1, Issue 1, pp. 81-110. |  |                |   |   |     |  |  |
| F)   |                    | Kahn, R.E., "Deposit, Registration and Recordation in an Electronic Copyright Management System," <i>IMA Intellectual Property Project Proceedings</i> , January 1994, Vol. 1, Issue 1, pp. 111-120.    |  |                |   |   |     |  |  |
| FN   |                    | Tygar, J.D., and Bennet, Y., "Dyad: A System for Using Physically Secure Coprocessors," IMA Intellectual Property Project Proceedings, January 1994, Vol. 1, Issue 1, pp. 121-152.                      |  |                |   |   |     |  |  |
| FP   |                    |   |  |                | for Protecting Copyright<br>gs, January 1994, Vol. 1, 1 | on Networks," <i>IMA Intellectual</i> Issue 1, pp. 169-178. |     |  |  |
| FP   |                    | Nelson, T.H., "A Publishing and Royalty Model for Networked Documents," IMA Intellectual Property Project Proceedings, January 1994, Vol. 1, Issue 1, pp. 257-259.                                      |  |                |   |   |     |  |  |
| TP   |                    | European Search Report for Corresponding European Application 95308422.5  |  |                |   |   |     |  |  |
| N  |                    | Flasche, U. et al., DECENTRALIZED PROCESSING OF DOCUMENTS, Comput. & Graphics, Vol. 10, No. 2, 1986, pp. 119-131.   |  |                |   |   |     |  |  |
| FI   |                    | Mori, R. et al., SUPERDISTRIBUTION: THE CONCEPT AND THE ARCHITECTURE, The Transactions of the IEICE, Vol. E 73, No. 7, 1990, Tokyo, JP, pp. 1133-1146.  |  |                |   |   |     |  |  |
| P  | ·                  | Press Release From Electronic Publishing Resources, Inc. (EPR) entitled "National Semiconductor and EPR Partner for Information Metering/Data Security Cards", dated March 4, 1994.                     |  |                |   |   |     |  |  |
| T  |                    | Weber, !  | R., "Di  | gital Rights M | Management Technology",                                 | , October 1995.   |     |  |  |

| Examiner Signature  FOIN. | Date Considered | 1/18/08 |
|---------------------------|-----------------|---------|
|---------------------------|-----------------|---------|

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